

Figure 1

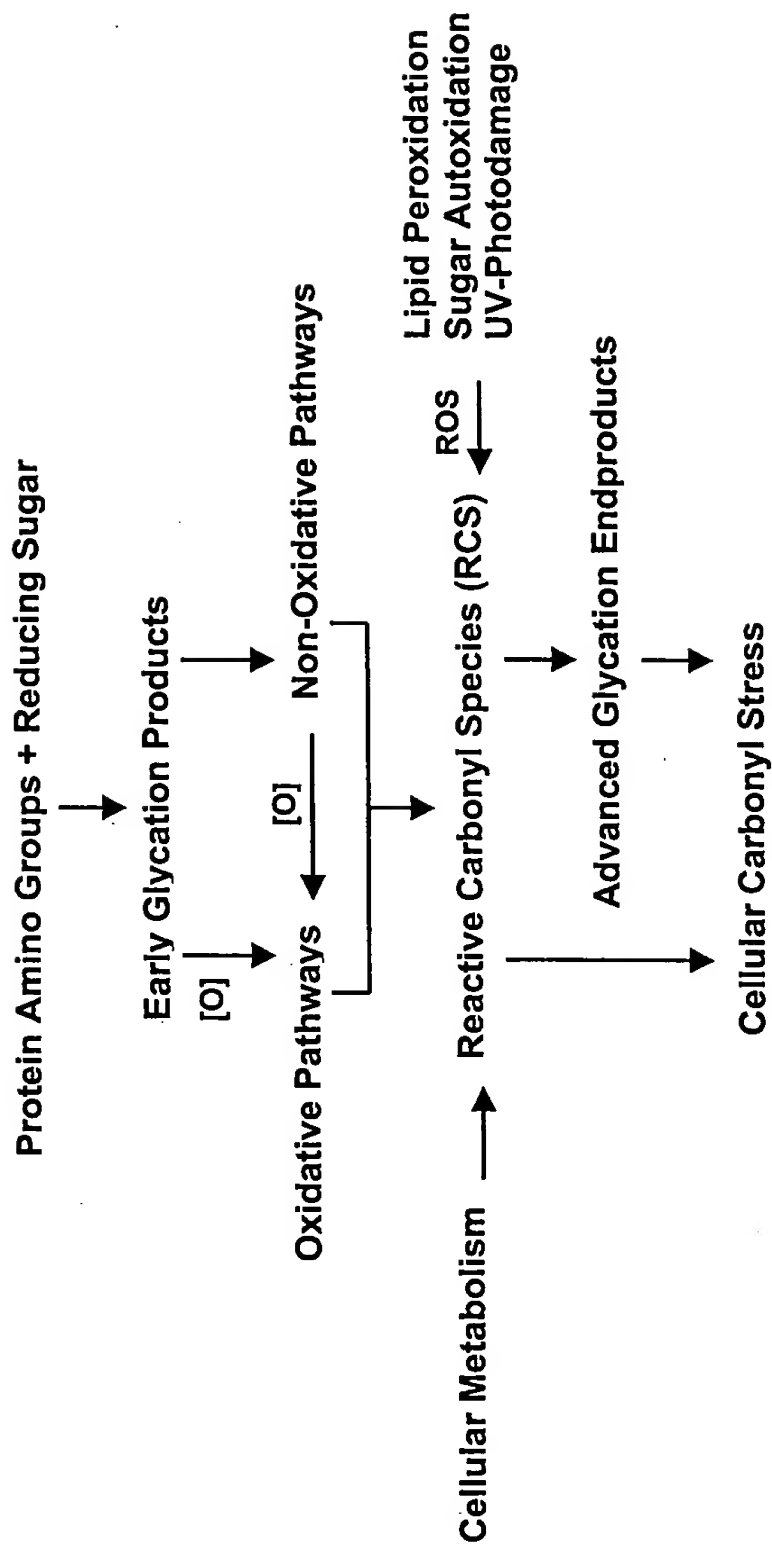
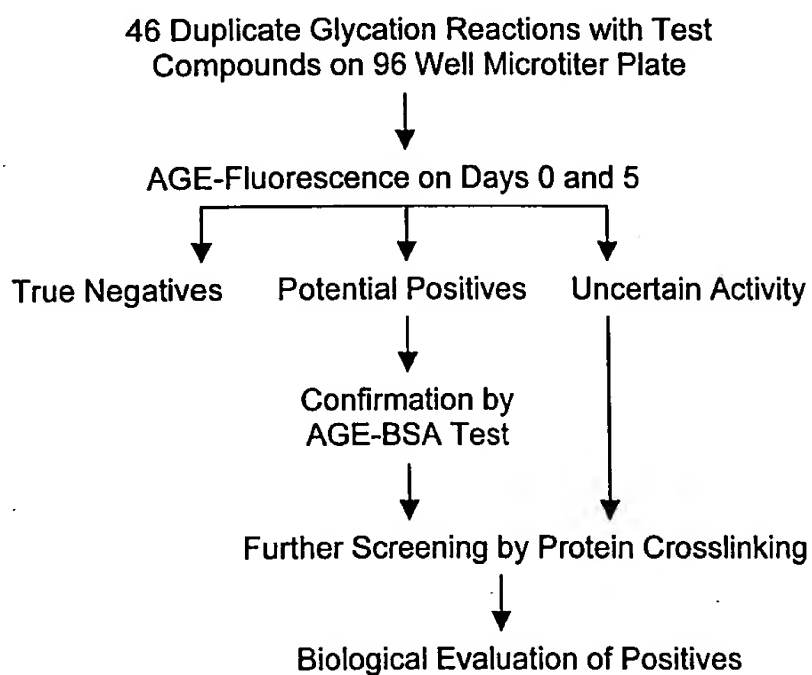


Figure 2



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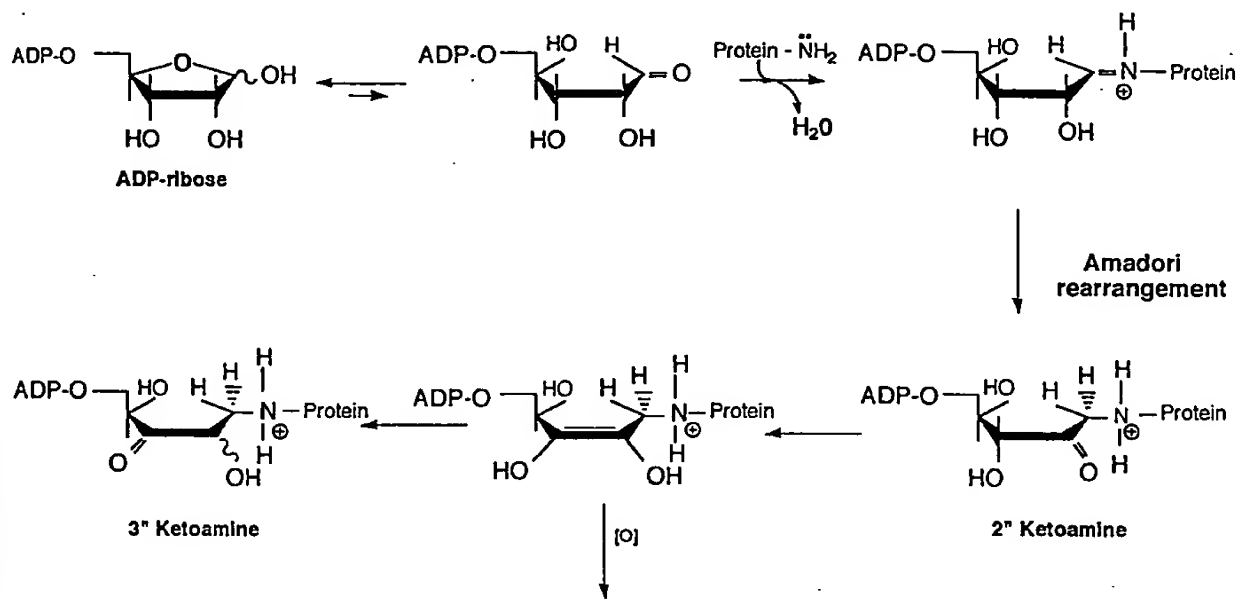


Figure 3

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SECRET



Figure 4

Fluorescence yield of various sugars and histone H1 over 7 days

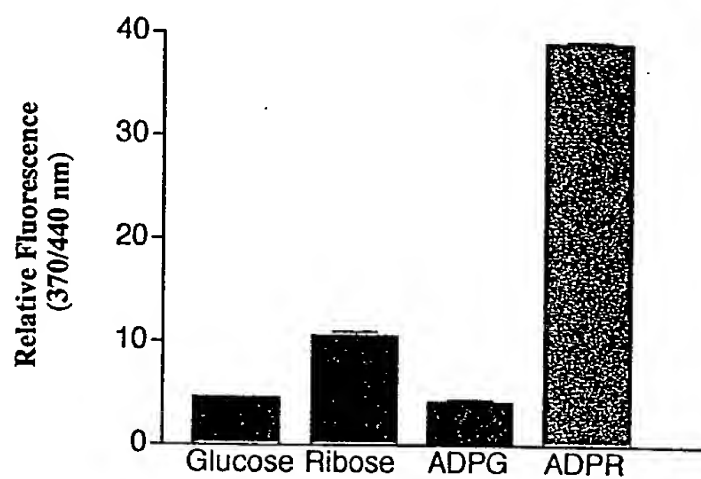


Figure 5

TOST-HO" 9459E860

Effectiveness of histone H1 as a target protein for glycation

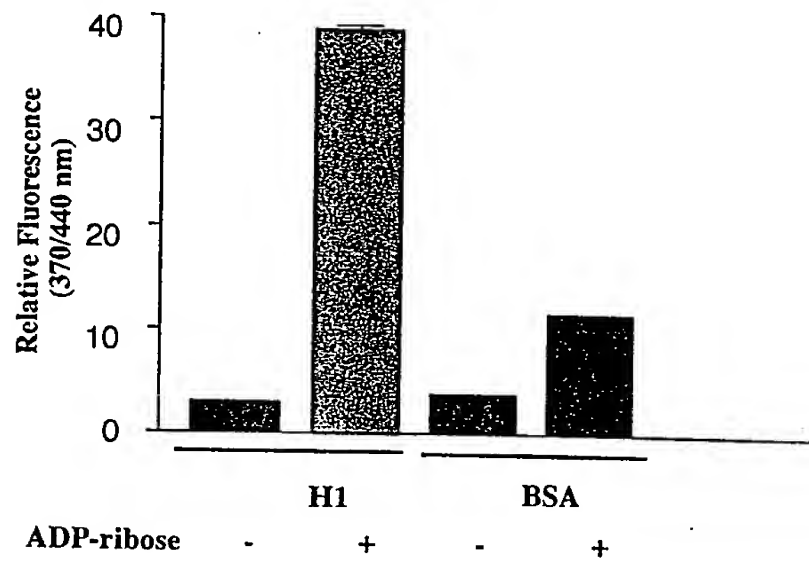


Figure 6

Aminoguanidine inhibits glycation of histone H1 by ADP-ribose

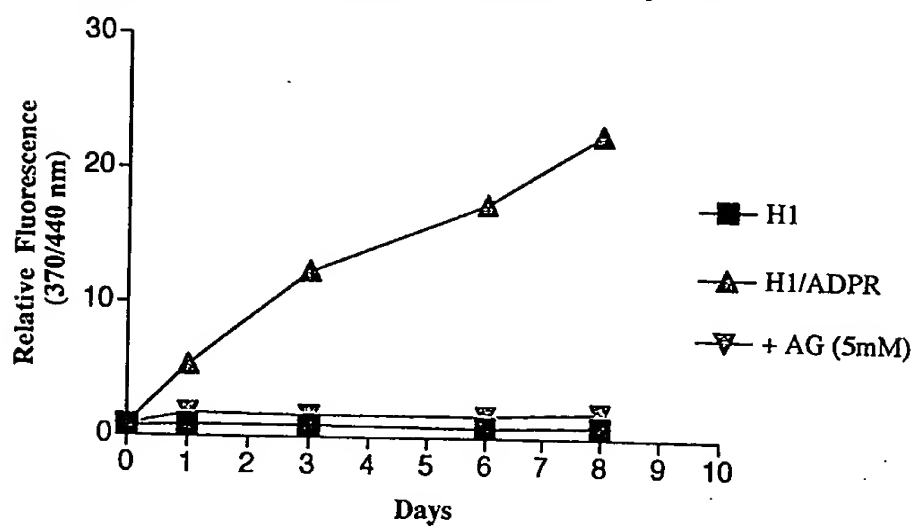


Figure 7

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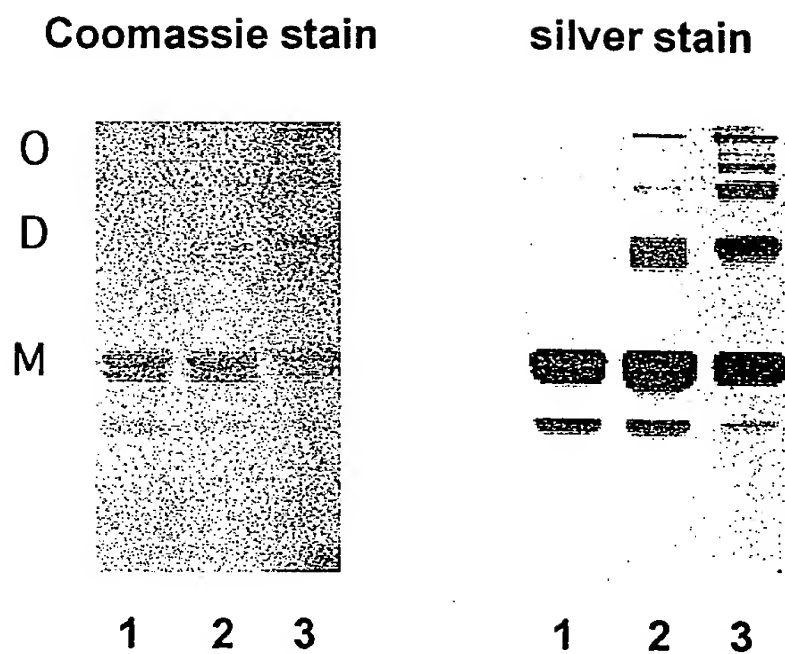


Figure 8

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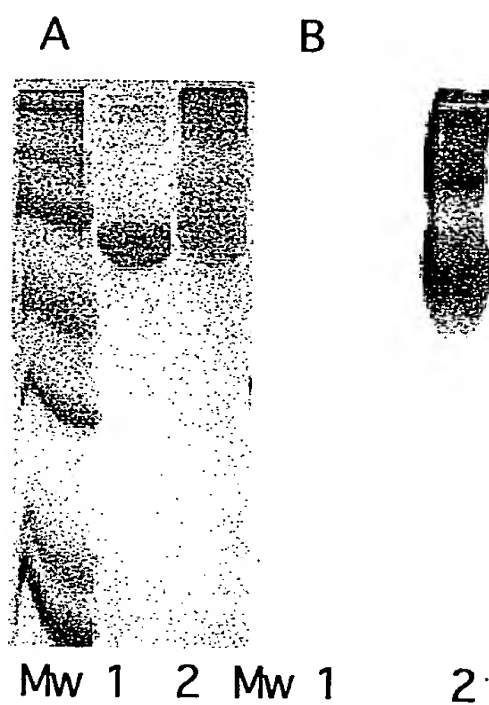


Figure 9

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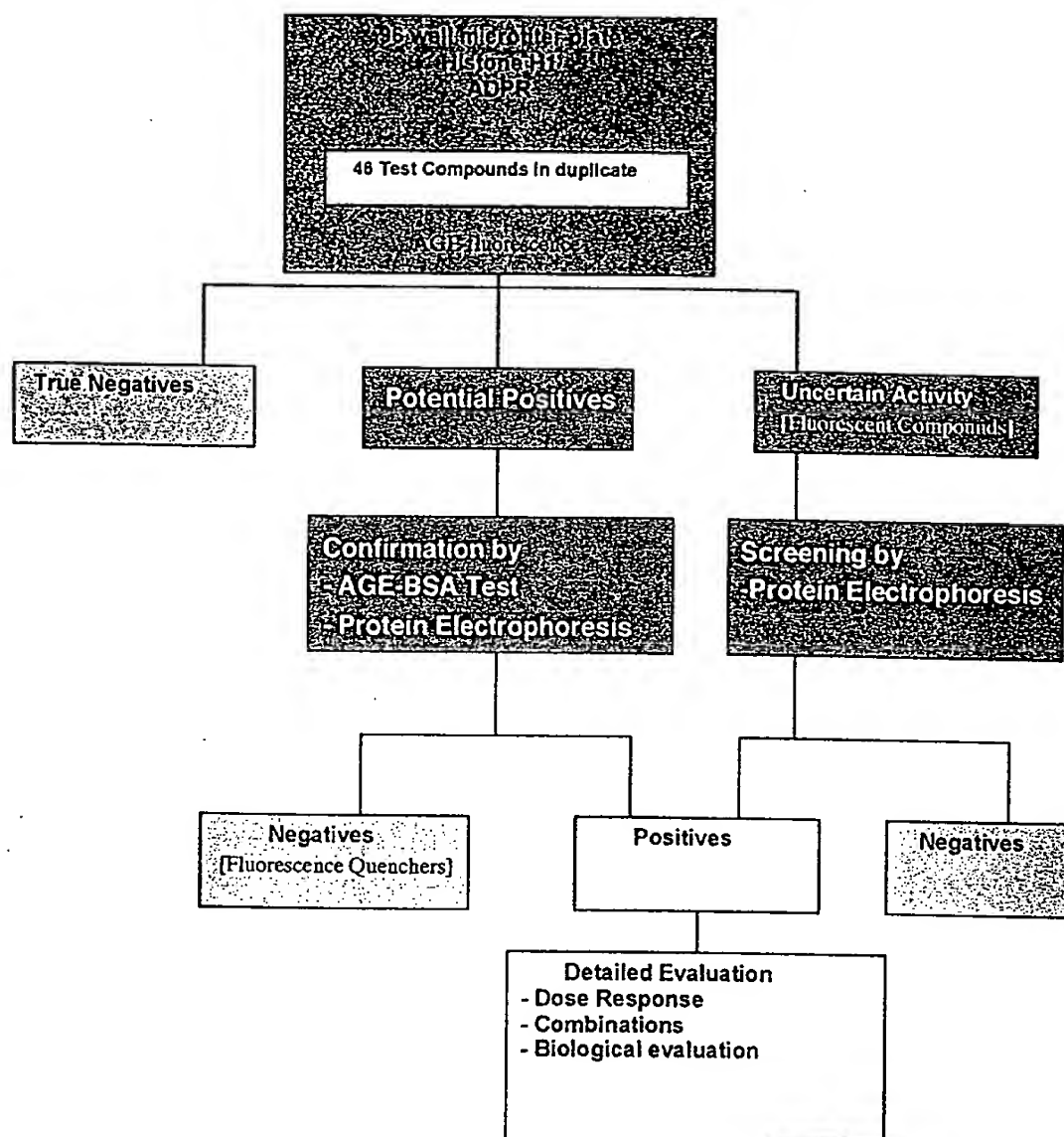


Figure 10

AGE-Inhibitor Screening Example: L-cysteine

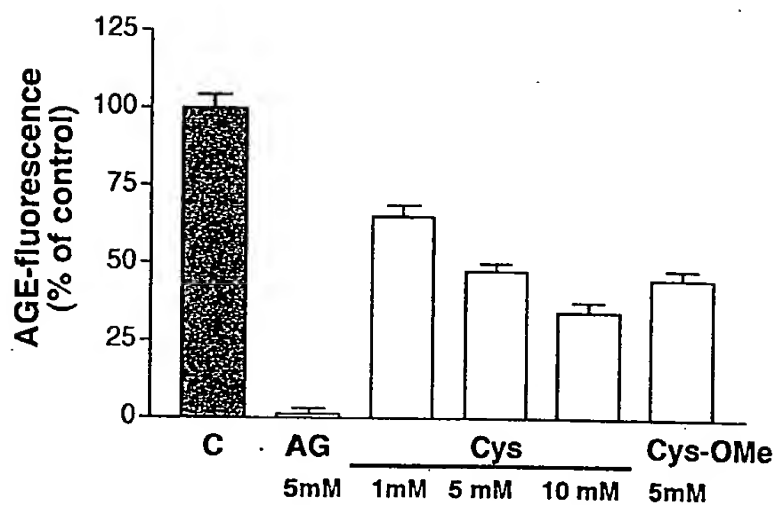


Figure 11

AGE-Inhibitor Screening: True Negatives

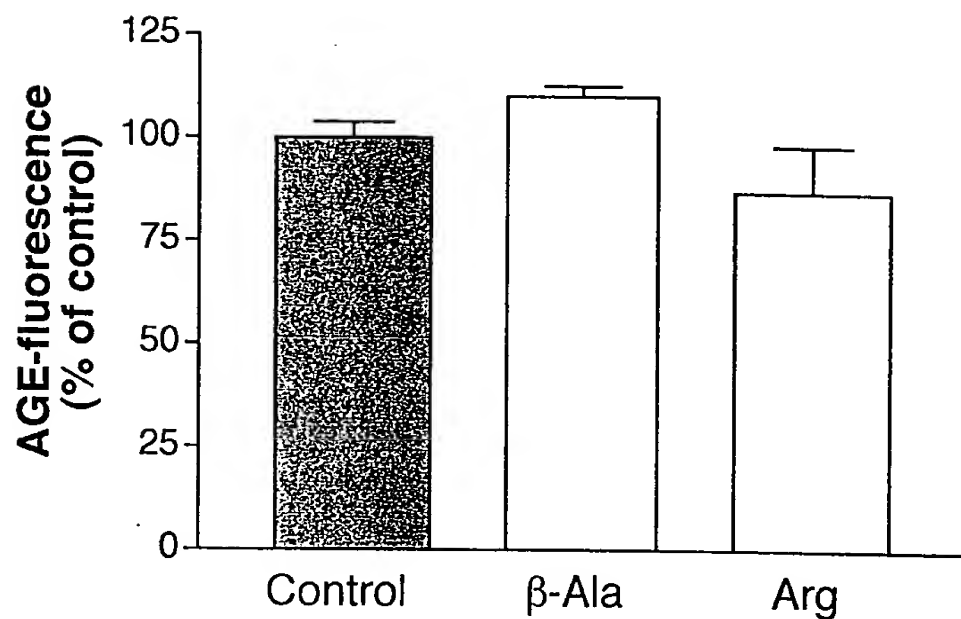


Figure 12

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Confirming Potential Positives I: the AGE-BSA Test

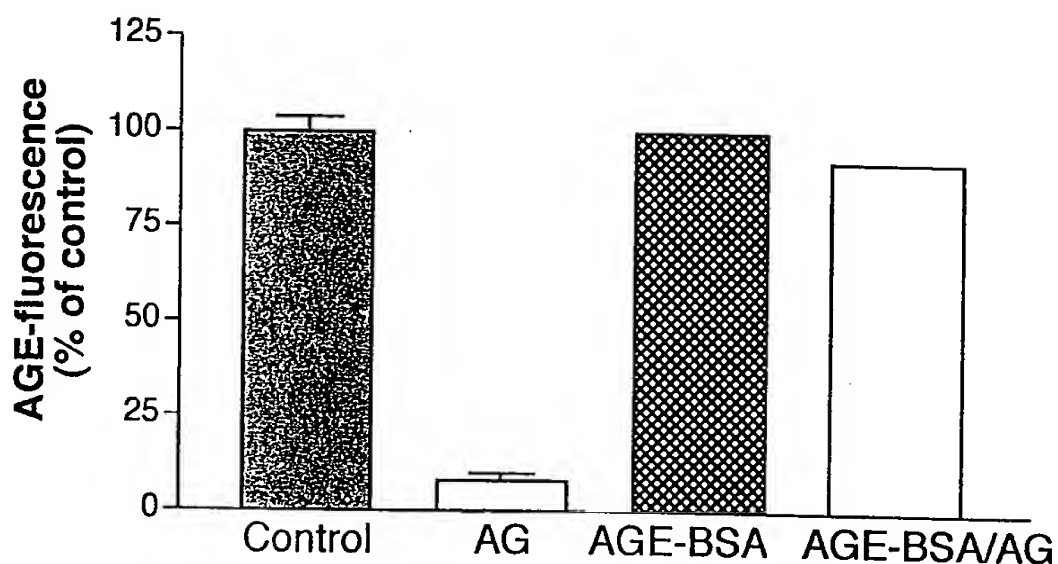


Figure 13

Confirming Potential Positives II: Protein Electrophoresis

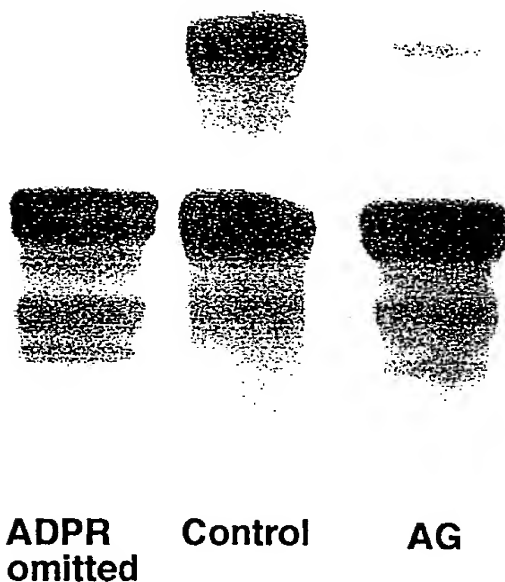


Figure 14

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Figure 15

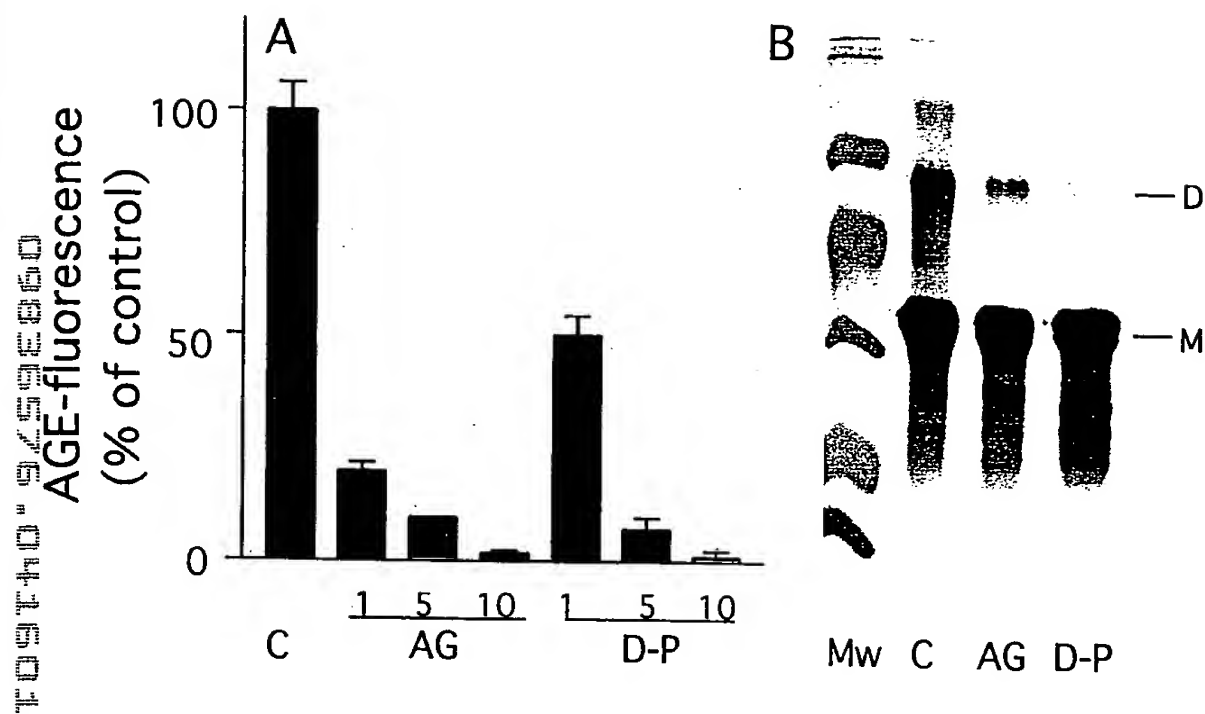
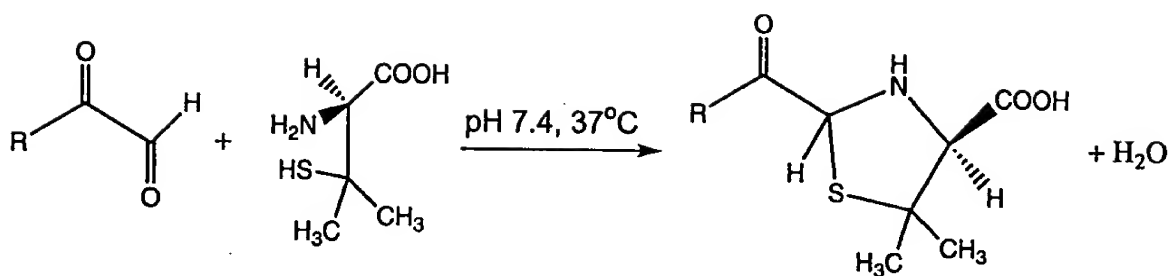
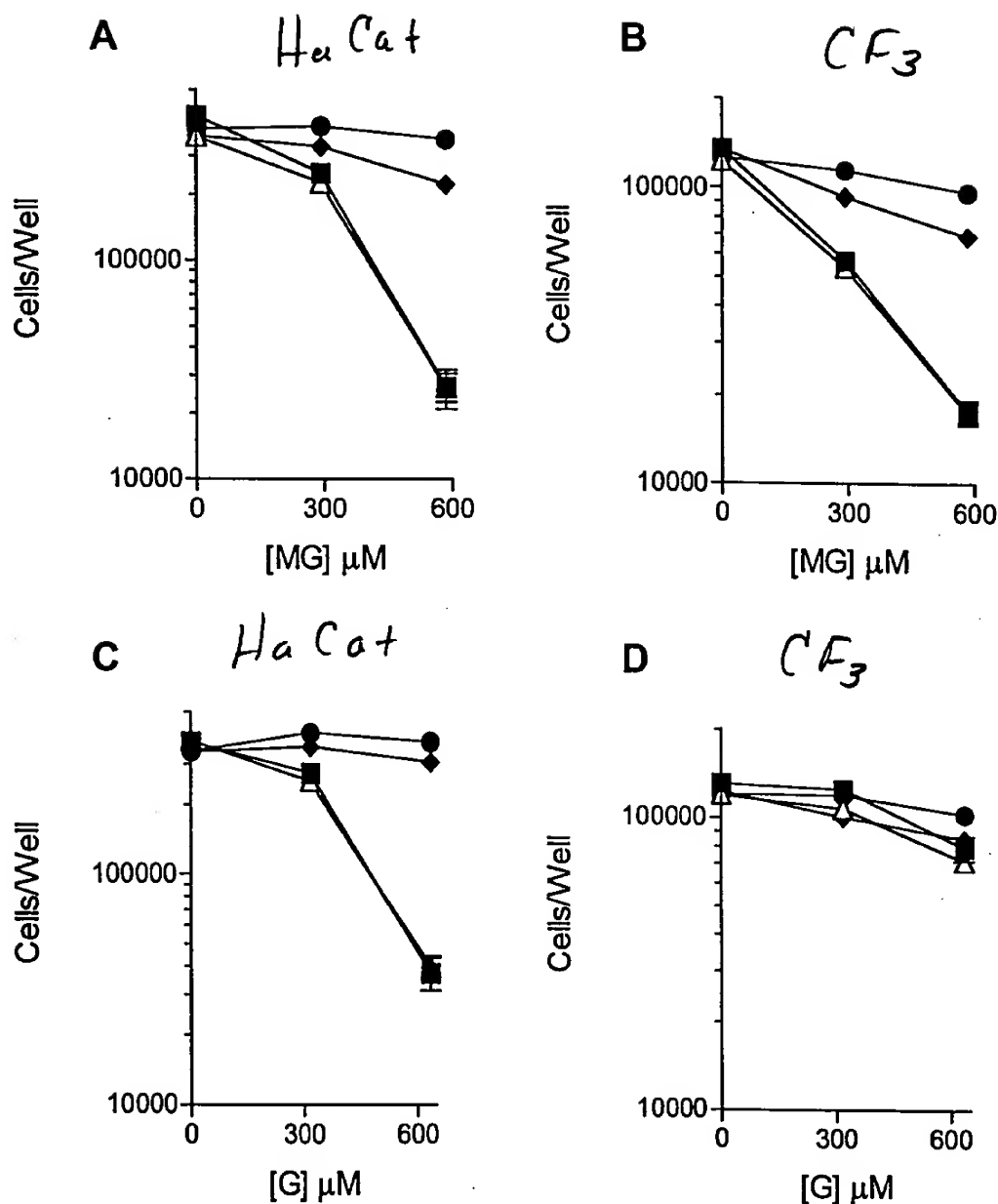


Figure 16



$R = CH_3$ or C_6H_5

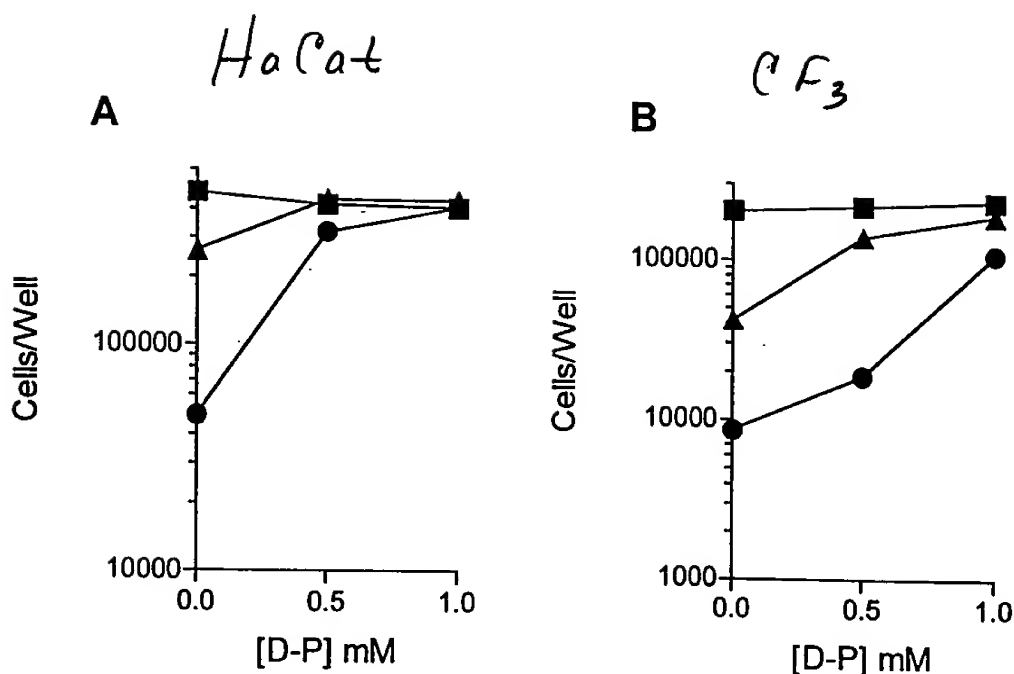
Figure 17



■ : d-dicarbonyl alone
 Δ = L alanine (1mM)
 ◆ = amino guonidine
 ● = D-penicillamine

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Figure 18



- : no methylglyoxal
- ▲ : methylglyoxal (300 μM)
- : methylglyoxal (600 μM)
- D-P : D-penicillamine

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Figure 19

